

ABSTRACT

When broadcasting of an MPEG2 system is received,
simultaneous reception of programs by a plurality of
transport streams is enabled without changing a CA system,
5 thereby enabling back program recording or PinP reproduction.
A necessary packet is extracted from each of a plurality
of transport streams TS1, TS2, ..., SI is removed by SI removing
circuits 83-1, 83-2, ..., thereby reconstructing to one
transport stream. In an SI reconstructing circuit 81,
10 packet information of the SI is extracted from each of the
plurality of transport streams and a new SI packet is
reconstructed from the plurality of transport streams
without causing a collapse in the system. Thus, the back
program recording, multiscreen reproduction, PinP
15 reproduction, or the like can be executed without changing
the CA system.